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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 01 of 03

Complete if Known

Application Number	10/506,749
Filing Date	27 June 2005
First Named Inventor	Simon Michael Cutting
Group Art Unit	1645
Examiner Name	
Attorney Docket Number	2840-2

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ - Number ² - Kind Code ⁵ (if known)				
/GP/		WO 99/10496	03-04-1999	Kaufmann et al.		
/GP/		WO 01/94599 A1	12-13-2001	Burman et al.		
/GP/		WO 02/00232 A2	01-03-2002	Goldman et al.		

Examiner
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Date
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PTO/SB/08B(10-01)

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Sheet	02	of	03
		Attorney Docket Number	2840-2

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/GP/		Minton <i>et al.</i> , Chemotherapeutic tumor... spores; FEMS Microbiology Reviews, Vol. 17, pages 357-364 (1995)	
		Casula <i>et al.</i> , Bacillus Probiotics: Spore Germination ... Tract; Applied and Environmental Microbiology, Vol. 68, No.5, pages 2344-2352 (May 2002)	
		Duc <i>et al.</i> , Bacterial Spores as Vaccine Veh.; Infection and Immunity, Vol. 71, No.5, pages 2810-2818 (May 2003)	
		Duc <i>et al.</i> , Germination of the Spore...antigen delivery; Vaccine, Vol. 21, pages 4215-4224 (October 2003)	
		Ivins <i>et al.</i> , Cloning and Expression...Bacillus Subtilis; Infection and Immunity, Vol. 54, No.2, pages 537-542 (Nov. 1986)	
		Ivins <i>et al.</i> , Immunization against Anthrax...; Infection and Immunity, Vol. 58, No.2, pages 303-308 (Feb. 1990)	
		Hess <i>et al.</i> , Superior efficacy of secreted ...against listeriosis; PNAS, Vol. 93, pages 1458-1463 (Feb. 1996)	
		Darji <i>et al.</i> , Oral Somatic Transgene Vaccination...; Cell, Vol. 91, pages 765-775 (12 Dec 1997)	
		McBride <i>et al.</i> , Protective efficacy of a recombinant protective antigen...; Vaccine, Vol. 16, No. 8, pages 810-817 (1998)	
		Grillot-Courvalin <i>et al.</i> , Functional gene transfer from intracellular bacteria...; Nature Biotechnology, Vol. 16, pages 862-866 (Sept. 1998)	
		Higgins <i>et al.</i> , Deliver of protein to the Cytosol of macrophages...; Molecular Microbiology, Vol. 31, No. 6, pages 1631-1641 (1999)	

Examiner Signature	Virginia Portner/	Date Considered	08/13/2007
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		Filing Date	27 June 2005		
		First Named Inventor	Simon Michael Cutting		
		Group Art Unit	1645		
		Examiner Name			
Sheet	03	of	03	Attorney Docket Number	2840-2

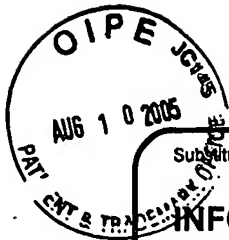
OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/GPI/		Barnard <i>et al.</i> , Vaccination against Anthrax with Attenuated Recombinant Strains ...; Infection and Immunity, Vol. 67, No.2, pages 562-567 (February 1999)	
↓		Zegers <i>et al.</i> , Expression of the protective antigen of Bacillus anthracis...; J. Applied Microbiology, Vol. 87, pages 309-314 (May 1999)	
		Cohen <i>et al.</i> , Attenuated Nontoxinogenic and Nonencapsulated Recombinant...; Infection and Immunity, Vol. 68, No.8, pages 4459-4558 (August 2000)	
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↓		Brossier <i>et al.</i> , Anthrax Spores Make an Essential Contribution...; Infection and Immunity, Vol. 70, No.2, pages 661-664 (February 2002)	
/GPI/		Pilgrim <i>et al.</i> , Bactofection of Mammalian cells by Listeria monocytogenes...; Gene Therapy, Vol. 10, pages 2036-2045 (2003)	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 01 of 05

Complete if Known

Application Number	10/506,749
Filing Date	3 September 2004
First Named Inventor	Simon Michael Cutting
Group Art Unit	
Examiner Name	
Attorney Docket Number	1307-27

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
/GP/		US- 5,533,973	07-09-1998	Piontek et al.	
		US- 5,604,127	02-18-1997	Nisbet et al.	
		US- 5,707,353	01-13-1998	Mazer et al.	
		US- 5,738,851	04-14-1998	Walton et al.	
		US- 5,741,243	04-21-1998	Geckle et al.	
		US- 5,755,888	05-26-1998	Piontek et al.	
		US- 5,800,821	09-01-1998	Acheson et al.	
		US- 5,921,955	07-13-1999	Mazer et al.	
		US- 5,988,569	10-18-1999	Cavadini et al.	
		US- 6,080,401	06-27-2000	Reddy et al.	
/GP/		US- 6,090,417	07-18-2000	Mehnert et al.	
		US-			
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
/GP/		AU 00753327 B2	01-21-1999	Shu et al.		
		BG 00063614 B1	08-18-1999	Not in English		initially considered
		CA 0 2 222 758 C	07-09-1998	Gaier et al.		
		CA 0 2 281 463 A1	02-26-2001	Zlotkin		
		DE 197 38 775 A1	03-11-1999	Gossner et al.		
		DE 297 20 542 U1	04-16-1998	Gossner et al.		
		EP 0 287 699 B1	10-26-1988	Iwanami et al.		
		EP 0 862 863 B1	09-09-1998	Cavadini et al.		
		EP 1 137 424 B1	10-04-2001	De Jong et al.		

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Sheet	02	of	05
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Complete if Known

Application Number	10/506,749
Filing Date	3 September 2004
First Named Inventor	Simon Michael Cutting
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Examiner Name	
Attorney Docket Number	1307-27

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
/GP/		FR 0 2 780 413 B1	12-31-1999	Lopez et al.		
↓		RU 2 114 536 C1	07-10-1998	Chemyshkov et al.		
		RU 2 134 993 C1	08-27-1999	Korochkin et al.		
		RU 2 149 008 C1	05-20-2000	Gaponyuk et al.		
		SK 280 832	12-18-1997	Dobias et al.		
		WO 1993 014187 A1	07-22-1993	Adami et al.		
		WO 1998 026787 A1	06-25-1998	Conway et al.		
↓		WO 1998 047374 A1	10-29-1998	Farmer et al.		
	/GP/	WO 1998 054982 A1	12-10-1998	Farmer et al.		

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Substitute for form 1449A/PTO				<div>Complete If Known</div> <div>Application Number 10/506,749</div> <div>Filing Date 3 September 2004</div> <div>First Named Inventor Simon Michael Cutting</div> <div>Group Art Unit</div> <div>Examiner Name</div> <div>Attorney Docket Number 1307-27</div>	
<div>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</div> <div>(use as many sheets as necessary)</div>					
Sheet	03	of	05		

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
/GP/		WO 1999 011542 A2	03-11-1999	Gossner et al.		
↓		WO 1999 029833 A1	08-17-1999	Wadström et al.		
		WO 1999 0041998 A1	08-28-1999	Wallenbeck		
		WO 1999 042580 A1	08-26-1999	Wallenbeck		
		WO 2000 07608 A2	02-17-2000	Farmer		
		WO 2000 010582 A2	03-02-2000	Farmer		
		WO 2000 029007 A1	05-25-2000	Reddy et al.		
		WO 2001 013927 A2	03-01-2001	Farmer		
/GP/		WO 2001 015714 A1	03-08-2001	Zlotkin		

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		Country Code ⁴ - Number ⁴ - Kind Code ⁵ (if known)				
/GPI/		WO 2001 0085188 A1	11-15-2001	Dong et al.		

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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/GPI/		KAREN ROBINSON ET AL., <i>Oral Vaccination of Mice against Tetanus with Recombinant Lactococcus lactis</i> , July 1997, (5 pages), Volume 15, Nature Biotechnology, Cambridge UK	
↓		ADAM DRIKS, <i>Bacillus Subtilis Spore Coat</i> , March 1999, (20 pages), Volume 63, No. 1., Microbiology and Molecular Biology Review, Maywood, Illinois USA	
		ROBERTO M. LA RAGIONE ET AL., <i>Bacillus Subtilis spores competitively exclude Escherichia coli 070:K80 in poultry</i> , 17 August 2000, (10 pages) Veterinary Microbiology 2062, Surrey UK	
		TRAN THU HOA ET AL., <i>Fate and dissemination of Bacillus Subtilis Spores in a Murine Model</i> , September 2001, (5 pages), Vol. 67, No. 9, Applied and Environmental Microbiology	
↓		DAVID H. GREEN et al., <i>Characterization of Two Bacillus Probiotics</i> , September 1999, (4 pages), Applied and Environmental Microbiology	
/GPI/		NGO THI HOA et al., <i>Characterization of Two Bacillus Species Used for Oral Bacteriotherapy and Bacteriophylaxis of Gastrointestinal Disorders</i> , December 2000, (7 pages), Applied and Environmental Microbiology	

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